FORM (REV		90 (Modified)	U.S. DEPARTM	COMMERCE PATENT AND TRADEMARK OFFICE	ATTO Y'S DOCKET NUMBER		
	11			TO THE UNITED STATES	71745-56434		
		DESIGNAT	red/elect	ED OFFICE (DO/EO/US)	U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR		
		CONCERN	inga fili	NG UNDER 35 U.S.C. 371	09/914149		
INTE	ERNAT	TIONAL APPLICA PCT/IB00/002		INTERNATIONAL FILING DATE  February 22, 2000	PRIORITY DATE CLAIMED FEBRUARY 22, 199		
		INVENTION		, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,		
7	ran	ISLATION SY	STEM				
				·			
		T(S) FOR DO/EO/ Gebauer (	'US Giovanna Berg	amini Matthias Hentze			
			eter Becker	Wintings Henrie			
Appi	licant	herewith submits	to the United St	ates Designated/Elected Office (DO/EO/US) th	he following items and other information:		
					-		
1. 2.	<b>⊠</b>						
3.							
٥.		(6), (9) and (24	2. 37 1(1)). The submission must menue items (3),				
4.		The US has been elected by the expiration of 19 months from the priority date (Article 31).					
5.	$\boxtimes$	A copy of the I	nternational App	olication as filed (35 U.S.C. 371 (c) (2))			
<u>-</u> 1		a. 🛛 is atta	ched hereto (req	uired only if not communicated by the Interna	itional Bureau).		
<u>.</u>		b. 🛛 has be	en communicate	ed by the International Bureau.			
n		c.  is not required, as the application was filed in the United States Receiving Office (RO/US).					
å: 6.	~ <u>@</u>						
			ched hereto.				
: _	_			abmitted under 35 U.S.C. 154(d)(4).			
7.				e International Application under PCT Article			
			-	quired only if not communicated by the Interna	ational Bureau).		
i.				ted by the International Bureau.	words has NOT and had		
				owever, the time limit for making such amendated will not be made.	ments has NOT expired.		
8.					Article 10 (35 U.S.C. 371(c)(3))		
9.		An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).  An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).					
10.		☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT					
		Article 36 (35 L	J.S.C. 371 (c)(5)	).			
11.	$\boxtimes$			iminary Examination Report (PCT/IPEA/409).			
12.	$\boxtimes$	A copy of the I	nternational Sear	ch Report (PCT/ISA/210).			
I	tems 1	13 to 20 below co	oncern documen	t(s) or information included:			
13.				ement under 37 CFR 1.97 and 1.98.			
14.		An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.					
15.		A FIRST preliminary amendment.					
16.		A SECOND or SUBSEQUENT preliminary amendment.					
17.		A substitute specification.  A change of power of attorney and/or address letter.					
18.			<del>-</del>		12. 0 125110.0 1021 1025		
19. 20.		A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.					
21.		A second copy of the published international application under 35 U.S.C. 154(d)(4).					
22.	Ø	A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).					
23.	<b>×</b>						
				(IDF A /401			
		PCT/RO/101 F PCT/IB/304	PCT/	(IPEA/401 IPEA/402			

24. The following fees are submitted:.  BASIC NATIONAL FEE ( 37 CFR 1.492 (a) (1) - (5)) :  □ Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1000.00  □ International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search Report prepared by the EPO or JPO \$860.00  □ International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.482) not paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$690.00  □ International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$690.00  □ International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00  □ ENTER APPROPRIATE BASIC FEE AMOUNT = \$860.00  Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492 (e)).  CLAIMS NUMBER FILED NUMBER EXTRA RATE  Total claims 47 - 20 = 27 x \$18.00 \$486.00 Independent claims 47 - 3 = 1 x \$80.00 \$80.00 Independent claims 47 - 3 = 1 x \$80.00 \$80.00 Independent Claims (check if applicable).	USE ONLY						
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO							
USPTO but International Search Report prepared by the ÉPO or JPO							
☐ International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO							
but all claims did not satisfy provisions of PCT Article 33(1)-(4)							
and all claims satisfied provisions of PCT Article 33(1)-(4)							
Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492 (e)).       20	Post and						
Months from the earliest claimed priority date (37 CFR 1.492 (e)).   S130.00     CLAIMS	P-2						
Total claims       47       - 20 =       27       x \$18.00       \$486.00         Independent claims       4       - 3 =       1       x \$80.00       \$80.00							
Independent claims 4 - 3 = 1 x \$80.00 \$80.00	-						
independent entities							
Multiple Dependent Claims (check if applicable).							
TOTAL OF ABOVE CALCULATIONS = \$1,826.00							
Applicant claims small entity status. (See 37 CFR 1.27). The fees indicated above are							
reduced by 1/2. \$0.00							
SUBTOTAL =							
Processing fee of \$130.00 for furnishing the English translation later than							
TOTAL NATIONAL FEE = \$1,826.00							
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).							
TOTAL FEES ENCLOSED = \$1,826.00							
Amount to be: \$ refunded							
charged \$							
a. A check in the amount of \$1,826.00 to cover the above fees is enclosed.							
b. Please charge my Deposit Account No							
c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No04-1105 A duplicate copy of this sheet is enclosed.							
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.							
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.							
SEND ALL CORRESPONDENCE TO:							
David G. Conlin (Reg. No. 27026)  Dike, Bronstein, Roberts & Cushman							
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Poster MA 02200							
Tel: (617) 439-4444							
REGISTRATION NUMBER							
August 22, 2001							
DATE							

## TRANSMITTAL LETTER TO THE UNITED STATES RECEI GOFFICE

Date International Application

August 22, 200

PCT/IB00/00219 Attorney Docket No 71745-56434

PTO-1382 (Rev. 4-1995) JC03 Rec'd PCT/PTO 2 2 AUG 2001 Certification under 37 CFR 1.10 (if applicable) I. EL895420299US August 22, 2001 Express Mail mailing number Date of Deposit I hereby certify that the application/correspondence attached hereto is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Assistant Commissioner for Patents, Washington, D.C. 20231. Louise M. Rappaport Typed or printed name of person mailing correspondence Signature of person mailing correspondence **New International Application** Earliest priority date (Day/Month/Year) TRANSLATION SYSTEM TITLE August 16, 1999 SCREENING DISCLOSURE INFORMATION: In order to assist in screening the accompanying international application for purposes of determining whether a license for foreign transmittal should and could be granted and for other purposes, the following information is supplied. (Note: check as many boxes as apply): The invention disclosed was not made in the United States. There is no prior U.S. application relating to this invention. The following prior U.S. application(s) contain subject matter which is related to the invention disclosed in the attached international application. (NOTE: priority to these applications may or may not be claimed on form PCT/RO/101 (Request) and this listing does not constitute a claim for priority). application no. filed on application no. filed on is identical contains less subject matter than that found in the prior U.S. The present international application application(s) identified in paragraph  $\overline{C}$ The present international application contains additional subject matter not found in the prior U.S. application(s) E. identified in paragraph C. above. The additional subject matter is found on pages and DOES NOT ALTER MIGHT BE CONSIDERED TO ALTER the general nature of the invention in a manner which would require the U.S. application to have been made available for inspection by the appropriate defense agencies under 35 U.S.C. 181 and 37 CFR 5.1. See 37 CFR 5.15 A Response to an Invitation from the RO/US. The following document(s) is (are) enclosed: A Request for An Extension of Time to File a Response B. A Power of Attorney (General or Regular) Replacement pages: of the request (PCT/RO/101) pages of the figures pages of the description pages of the abstract pages of the claims pages Submission of Priority Documents Priority document Priority document E. Fees as specified on attached Fee Calculation sheet form PCT/RO/101 annex IV.l A Request for Rectification under PCT 91 A Petition A Sequence Listing Diskette Other (please specify): Applicant David G. Conlin The person signing this Attorney/Agent (Reg. No.) ped name of signer form is the: Common Representative Signature